Organization Applicant

Street :
City :
State :
Country :
PostalCode :
PhoneNumber :
FaxNumber :
EmailAddress :
<110> OrganizationName : Reactive Surfaces, Ltd.

Application Project

<120> Title : Recombinant Organophosphorus Acid Anhydrase and Methods of Use
<130> AppFileReference : RACT-00200
<140> CurrentAppNumber : Unknown
<141> CurrentFilingDate : 2003-01-02

Earlier Applications

<150> PriorAppNumber : 07/928,540
<151> PriorFilingDate : 1992-08-13

Earlier Applications

<150> PriorAppNumber : 08/252,384
<151> PriorFilingDate : 1994-06-01

Earlier Applications

<150> PriorAppNumber : 07/344,258
<151> PriorFilingDate : 1989-04-27

Sequence

<213> OrganismName : Pseudomonas diminuta
<400> PreSequenceString :
atgtcgatcg gcacaggcga tcggatcaat accgtgcgcg gtcctatcac aatctctgaa 60

gcgggtttca cactgactca cgagcacatc tgcggcagct cggcaggatt cttgcgtgct 120

tggccagagt tcttcggtag ccgcaaagct ctagcggaaa aggctgtgag aggattgcgc 180

cgcgccagag cggctggcgt gcgaacgatt gtcgatgtgt cgactttcga tatcggtcgc 240

gacgtcagtt tattggccga ggtttcgcgg gctgccgacg ttcatatcgt ggcggcgacc 300

ggcttgtggt tcgacccgcc actttcgatg cgattgagga gtgtagagga actcacacag 360

ttcttcctgc gtgagattca atatggcatc gaagacaccg gaattagggc gggcattatc 420

aaggtcgcga ccacaggcaa ggcgaccccc tttcaggagt tagtgttaaa ggcggccgcc 480

cgggccagct tggccaccgg tgttccggta accactcaca cggcagcaag tcagcgcgat 540

ggtgagcagc aggccgccat ttttgagtcc gaaggcttga gcccctcacg ggtttgtatt 600

ggtcacagcg atgatactga cgatttgagc tatctcaccg ccctcgctgc gcgcggatac 660

ctcatcggtc tagaccacat cccgcacagt gcgattggtc tagaagataa tgcgagtgca 720

tcagccctcc tgggcatccg ttcgtggcaa acacgggctc tcttgatcaa ggcgctcatc 780

gaccaaggct acatgaaaca aatcctcgtt tcgaatgact ggctgttcgg gttttcgagc 840

tatgtcacca acatcatgga cgtgatggat cgcgtgaacc ccgacgggat ggccttcatt 900

ccactgagag tgatcccatt cgtacgagag aagggcgtcc cacaggaaac gctggcaggc 960

atcactgtga ctaacccggc gcggttctat gtcaccgacc ttgcgggcgt catg 1014

<212> Type : DNA
<211> Length : 1014
SequenceName : RACT00200 Amd Seq
SequenceDescription :

Feature

Sequence: RACT00200 Amd Seq:
<221> FeatureKey : CDS
<222> LocationFrom : 1
<222> LocationTo : 1011
Other Information :
CDSJoin : No

SEQUENCE LISTING

<110> Reactive Surfaces
McDaniel, C. Steven

<120> Recombinant Organophosphorus Acid Anhydrase and Methods of Use

<130> RACT-00200

<140> Unknown
<141> 2002-12-23

<150> 07/928,540
<151> 1992-08-13

<150> 08/252,384
<151> 1994-06-01

<150> 07/344,258
<151> 1989-04-27

<160> 1

<170> PatentIn version 3.2

<210> 1
<211> 337
<212> PRT
<213> Pseudomonas aeruginosa

<400> 1

Met Ser Ile Gly Thr Gly Asp Arg Ile Asn Thr Val Arg Gly Pro Ile
1 5 10 15

Thr Ile Ser Glu Ala Gly Phe Thr Leu Thr His Glu His Ile Cys Gly
20 25 30

Ser Ser Ala Gly Phe Leu Arg Ala Trp Pro Glu Phe Phe Gly Ser Arg
35 40 45

Lys Ala Leu Ala Glu Lys Ala Val Arg Gly Leu Arg Arg Ala Arg Ala
50 55 60

Ala Gly Val Arg Thr Ile Val Asp Val Ser Thr Phe Asp Ile Gly Arg
65 70 75 80

Asp Val Ser Leu Leu Ala Glu Val Ser Arg Ala Ala Asp Val His Ile
85 90 95

Val Ala Ala Thr Gly Leu Trp Phe Asp Pro Pro Leu Ser Met Arg Leu
100 105 110

Arg Ser Val Glu Glu Leu Thr Gln Phe Phe Leu Arg Glu Ile Gln Tyr
115 120 125

```
Gly Ile Glu Asp Thr Gly Ile Arg Ala Gly Ile Ile Lys Val Ala Thr
     130                 135                 140

Thr Gly Lys Ala Thr Pro Phe Gln Glu Leu Val Leu Lys Ala Ala Ala
145                 150                 155                 160

Arg Ala Ser Leu Ala Thr Gly Val Pro Val Thr Thr His Thr Ala Ala
                165                 170                 175

Ser Gln Arg Asp Gly Glu Gln Gln Ala Ala Ile Phe Glu Ser Glu Gly
            180                 185                 190

Leu Ser Pro Ser Arg Val Cys Ile Gly His Ser Asp Asp Thr Asp Asp
        195                 200                 205

Leu Ser Tyr Leu Thr Ala Leu Ala Ala Arg Gly Tyr Leu Ile Gly Leu
    210                 215                 220

Asp His Ile Pro His Ser Ala Ile Gly Leu Glu Asp Asn Ala Ser Ala
225                 230                 235                 240

Ser Ala Leu Leu Gly Ile Arg Ser Trp Gln Thr Arg Ala Leu Leu Ile
                245                 250                 255

Lys Ala Leu Ile Asp Gln Gly Tyr Met Lys Gln Ile Leu Val Ser Asn
            260                 265                 270

Asp Trp Leu Phe Gly Phe Ser Ser Tyr Val Thr Asn Ile Met Asp Val
        275                 280                 285

Met Asp Arg Val Asn Pro Asp Gly Met Ala Phe Ile Pro Leu Arg Val
    290                 295                 300

Ile Pro Phe Leu Arg Glu Lys Gly Val Pro Gln Glu Thr Leu Ala Gly
305                 310                 315                 320

Ile Thr Val Thr Asn Pro Ala Arg Phe Leu Ser Pro Thr Leu Arg Ala
                325                 330                 335

Ser
```